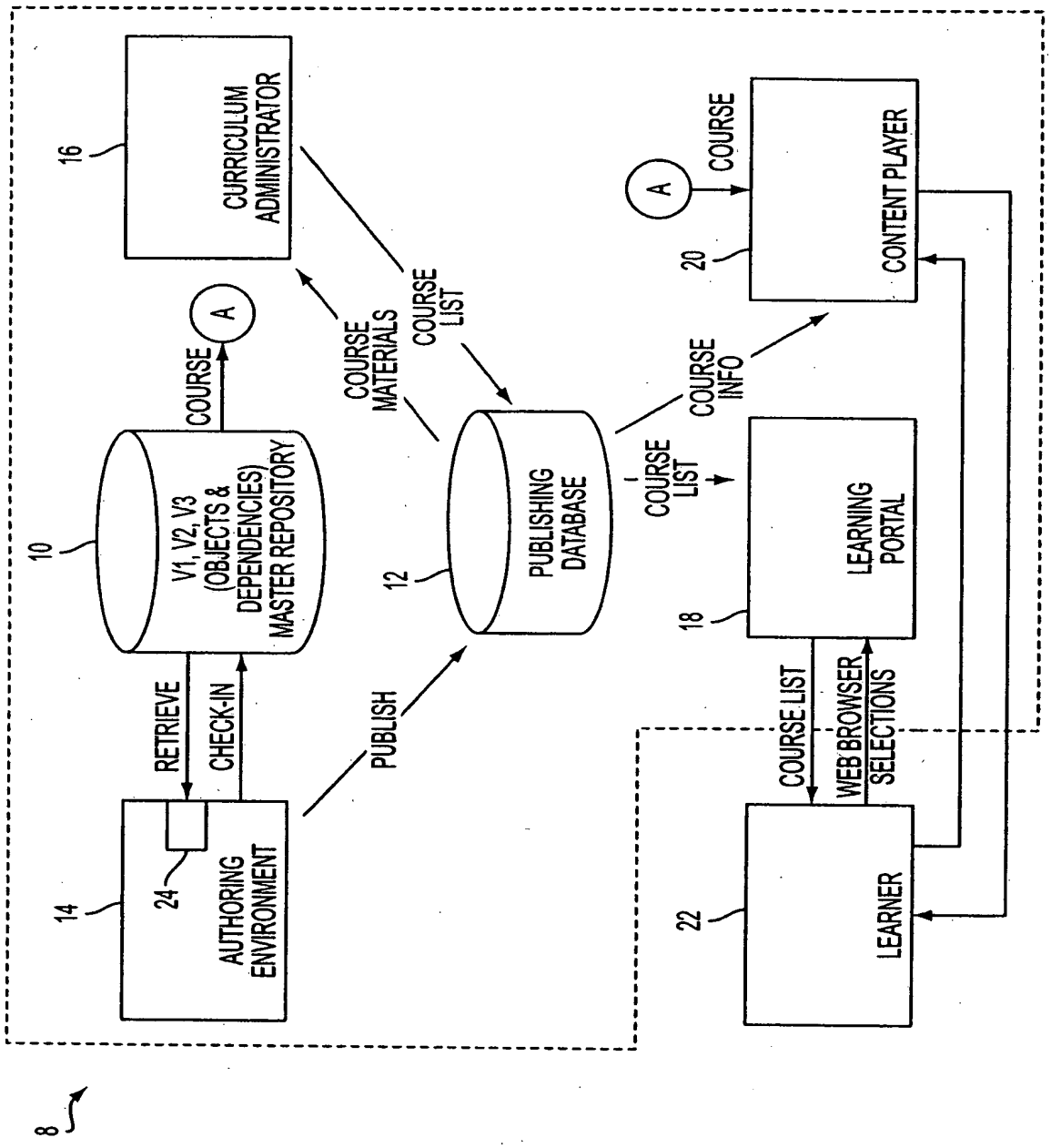
8
16
CURRICULUM ADMINISTRATOR
A
COURSE
10
V1, V2, V3 (OBJECTS & DEPENDENCIES) MASTER REPOSITORY
RETRIEVE
CHECK-IN
14
24
AUTHORING ENVIRONMENT
COURSE MATERIALS
COURSE LIST
PUBLISH
12
PUBLISHING DATABASE
A
COURSE
20
CONTENT PLAYER
COURSE INFO
COURSE LIST
18
LEARNING PORTAL
COURSE LIST
WEB BROWSER SELECTIONS
22
LEARNER

FIG. 1

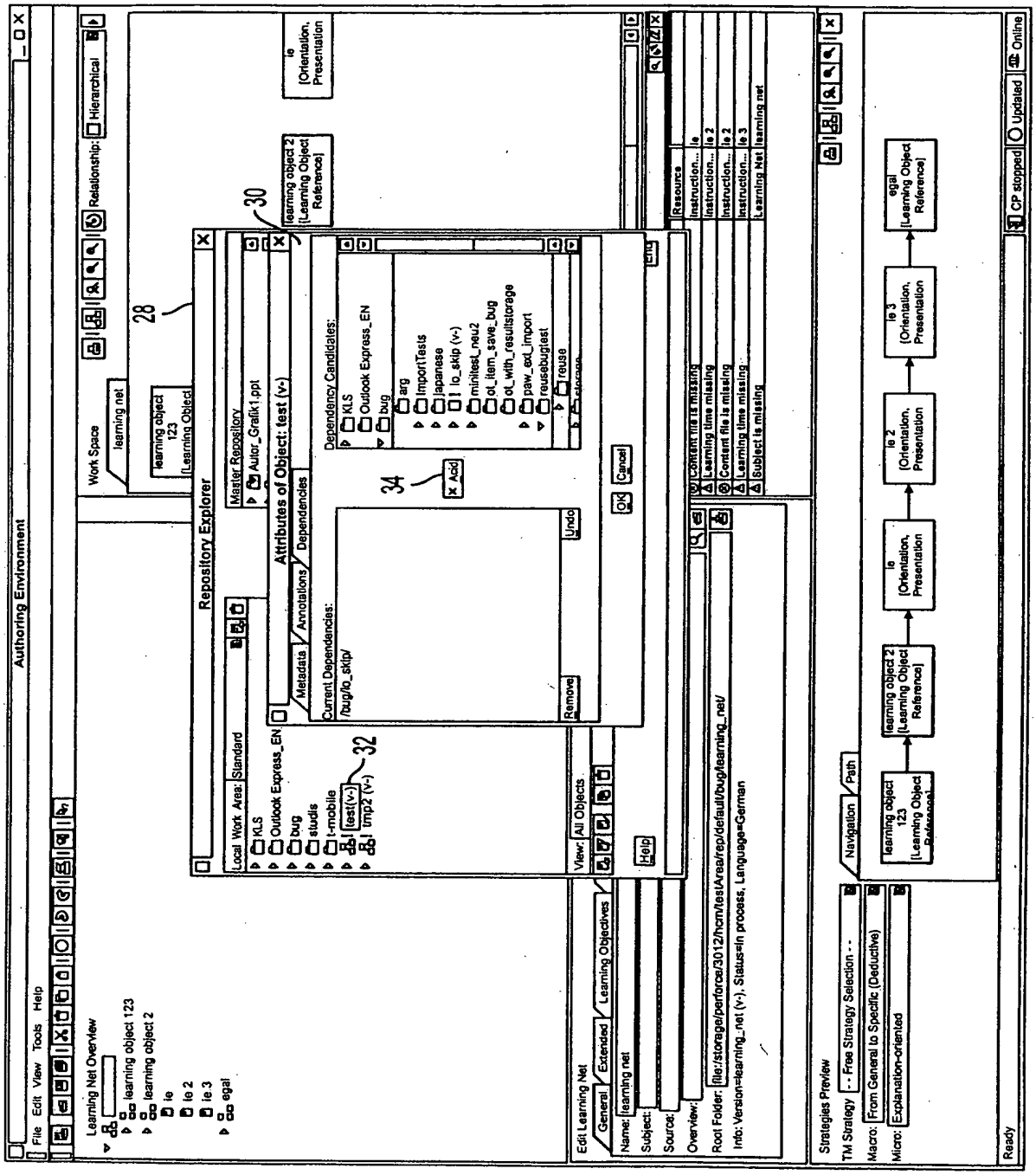
26
Authoring Environment
File Edit View Tools Help
Learning Net Overview
learning object 123
learning object 2
ie
ie 2
ie 3
egal
Work Space
learning net
Relationship: Hierarchical
28
learning object 123 [Learning Object]
Repository Explorer
Local Work Area: Standard
KLS
Outlook Express_EN
bug
studis
t-mobile
[test](v-)
tmp2 (v-)
32
Master Repository
Autor_Grafik1.ppt
30
learning object 2 [Learning Object Reference]
Attributes of Object: test (v-)
Metadata
Annotations
Dependencies
Current Dependencies:
/bug/lo_skip/
Remove
Undo
34
Add
Dependency Candidates:
KLS
Outlook Express_EN
bug
arg
importTests
japanese
lo_skip (v-)
miniltest_neu2
ol_item_save_bug
ol_with_resultstorage
paw_ext_import
reusebugtest
reuse
storage
OK
Cancel
ie [Orientation, Presentation
Edit Learning Net
General
Extended
Learning Objectives
Name: learning net
Subject:
Source:
Overview:
Help
View: All Objects
Root Folder: [file:/storage/perforce/3012/hcm/testArea/rep/default/bug/learning_net/
Info: Version=learning_net (v-); Status=In process; Language=German
Resource
Content file is missing
Learning time missing
Content file is missing
Learning time missing
Subject is missing
Instruction... ie
Instruction... ie 2
Instruction... ie 2
Instruction... ie 3
Learning Net learning net
Strategies Preview
TM Strategy - - Free Strategy Selection - -
Macro: From General to Specific (Deductive)
Micro: Explanation-oriented
Navigation
Path
learning object 123 [Learning Object Reference]
learning object 2 [Learning Object Reference]
ie [Orientation, Presentation
ie 2 [Orientation, Presentation
ie 3 [Orientation, Presentation
egal [Learning Object Reference]
Ready
CP stopped
Updated
Online

FIG. 2

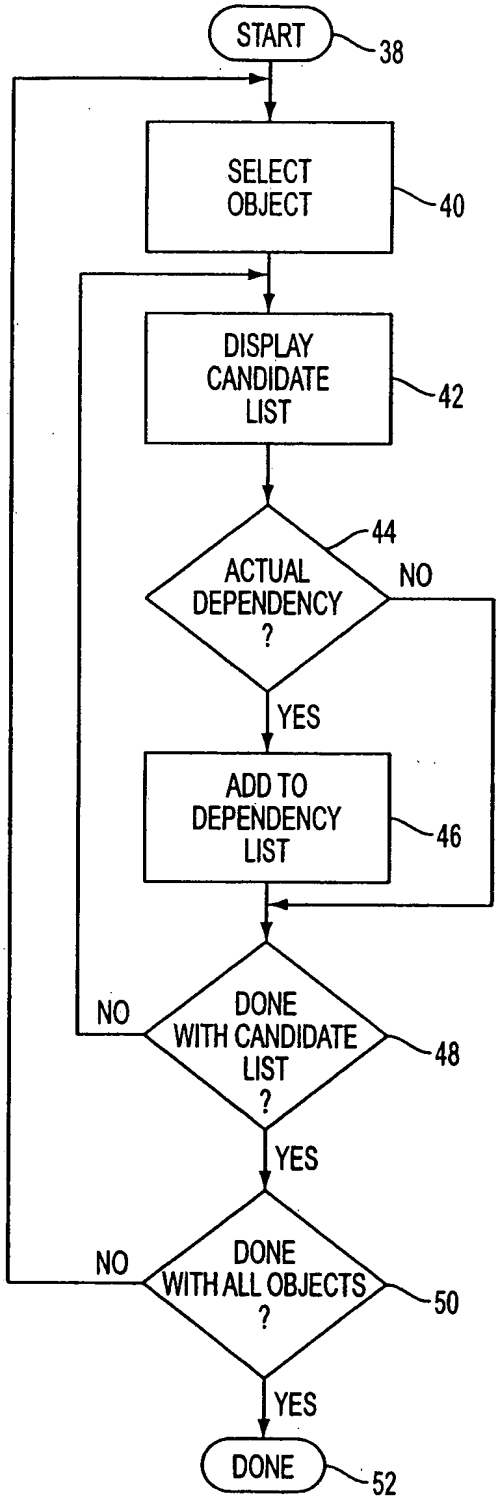
START
38
36
SELECT OBJECT
40
DISPLAY CANDIDATE LIST
42
44
ACTUAL DEPENDENCY ?
NO
YES
ADD TO DEPENDENCY LIST
46
NO
DONE WITH CANDIDATE LIST ?
48
YES
NO
DONE WITH ALL OBJECTS ?
50
YES
DONE
52

FIG. 3

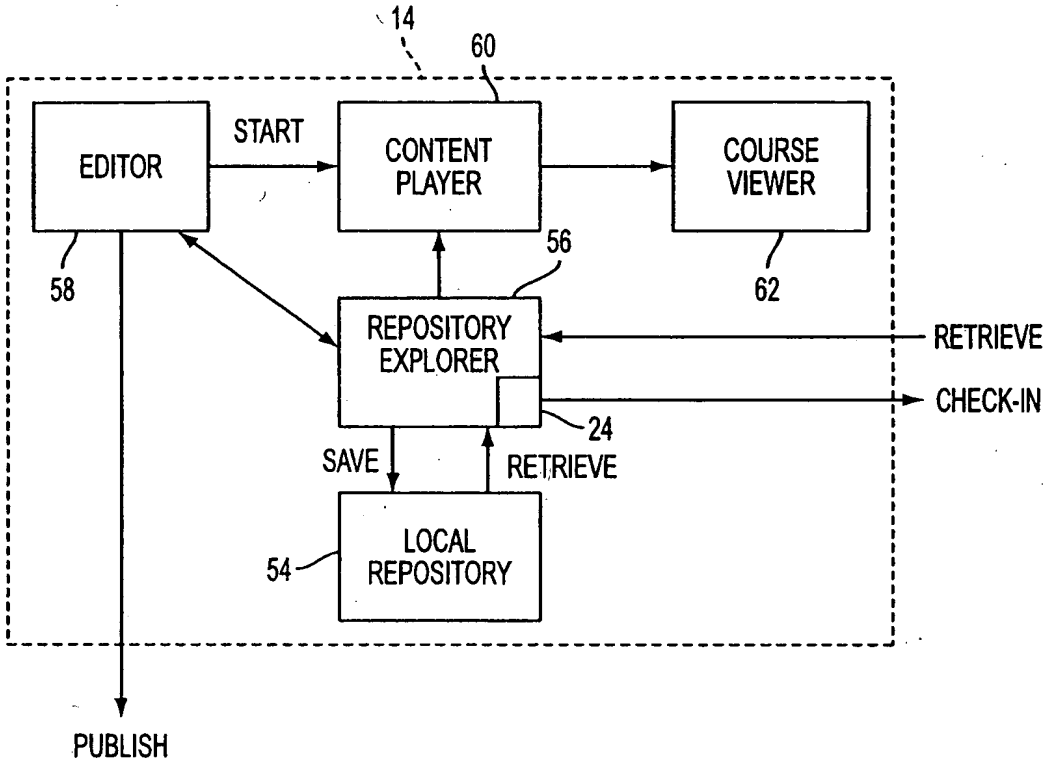
14
60
EDITOR
START
CONTENT PLAYER
COURSE VIEWER
58
56
62
REPOSITORY EXPLORER
RETRIEVE
CHECK-IN
24
SAVE
RETRIEVE
LOCAL REPOSITORY
54
PUBLISH

FIG. 4

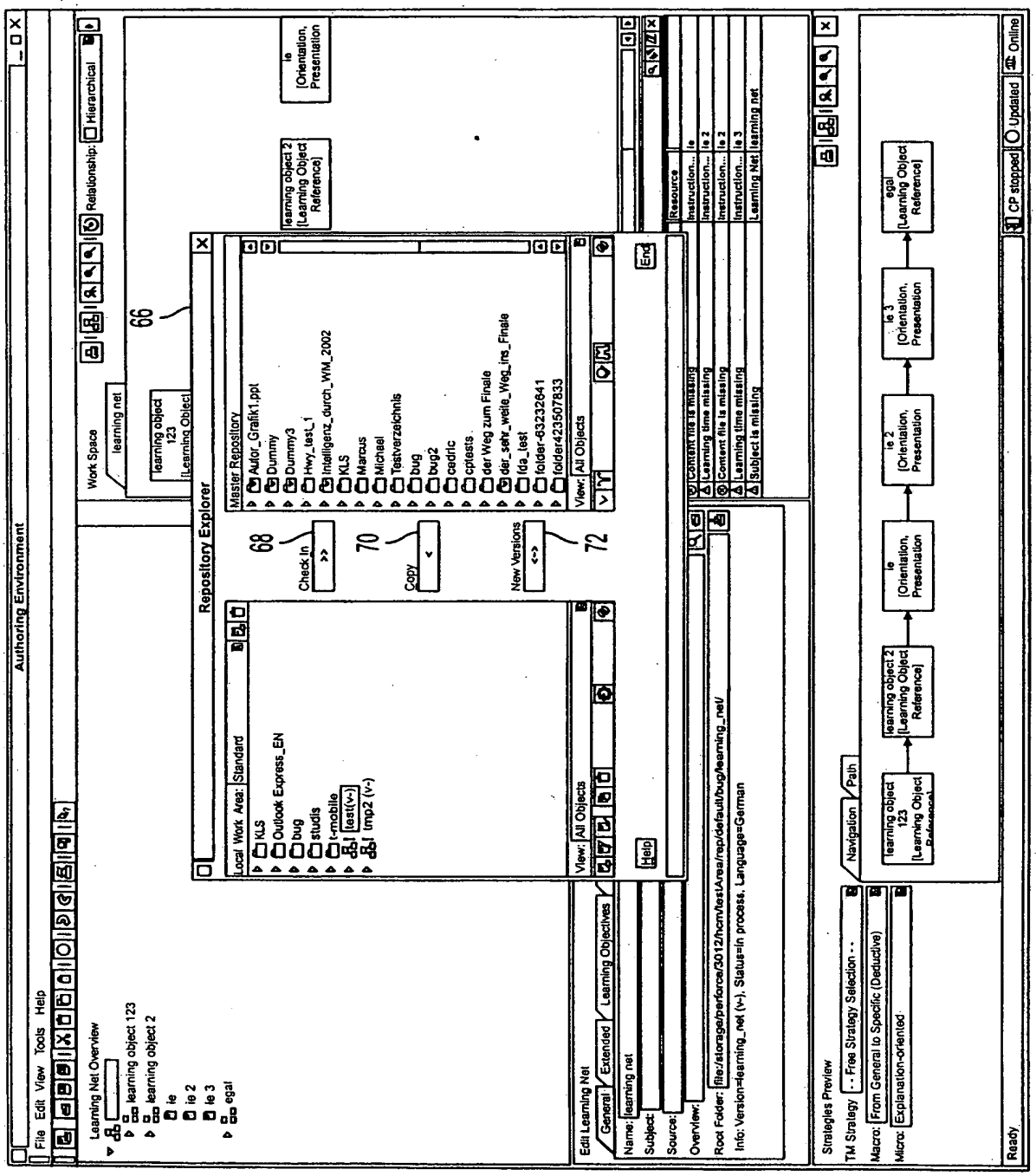
64
Authoring Environment
File Edit View Tools Help
Learning Net Overview
learning object 123
learning object 2
ie
ie 2
ie 3
egal
Work Space
learning net
66
Repository Explorer
Local Work Area: Standard
KLS
Outlook Express_EN
bug
studis
(-mobile
last(v-)
tmp2 (v-)
Check In
>>
68
Copy
<
70
New Versions
<>
72
Master Repository
Autor_Grafik1.ppt
Dummy
Dummy3
Hwy_test_1
Intelligenz_durch_WM_2002
KLS
Marcus
Michael
Testverzeichnis
bug
bug2
cedric
cptests
der Weg zum Finale
der_sehr_weite_Weg_ins_Finale
ida_test
folder-63232841
folder423507833
learning object 2
[Learning Object Reference]
ie
[Orientation, Presentation]
View: All Objects
End
Edit Learning Net
General
Extended
Learning Objectives
Name: learning net
Subject:
Source:
Overview:
Help
Root Folder: file:/storage/perforce/3012/hcm/testArea/rep/default/bug/learning_net/
Info: Version=learning_net (v-), Status=in process, Language=German
Resource
Instruction...
Content file is missing
Learning time missing
Subject is missing
Strategies Preview
TM Strategy: -- Free Strategy Selection --
Macro: From General to Specific (Deductive)
Micro: Explanation-oriented
Navigation
Path
learning object 123 [Learning Object Reference]
learning object 2 [Learning Object Reference]
ie [Orientation, Presentation]
ie 2 [Orientation, Presentation]
ie 3 [Orientation, Presentation]
egal [Learning Object Reference]
Ready
CP stopped
Updated
Online

FIG. 4a

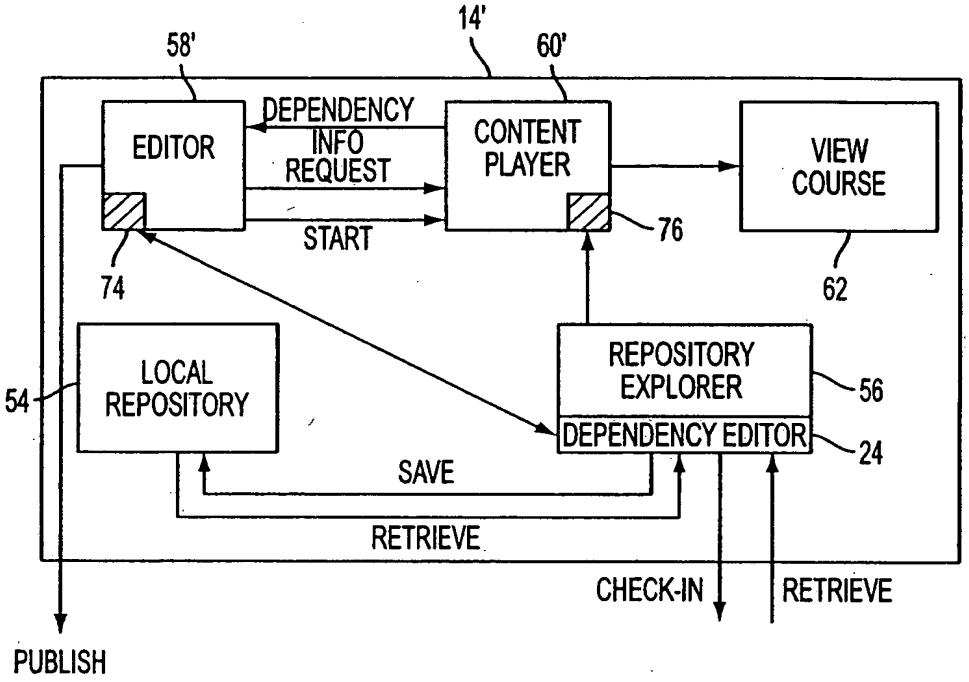
14'
58'
60'
EDITOR
DEPENDENCY
INFO
REQUEST
START
CONTENT
PLAYER
VIEW
COURSE
76
74
62
LOCAL
REPOSITORY
54
REPOSITORY
EXPLORER
56
DEPENDENCY EDITOR
24
SAVE
RETRIEVE
CHECK-IN
RETRIEVE
PUBLISH

FIG. 5

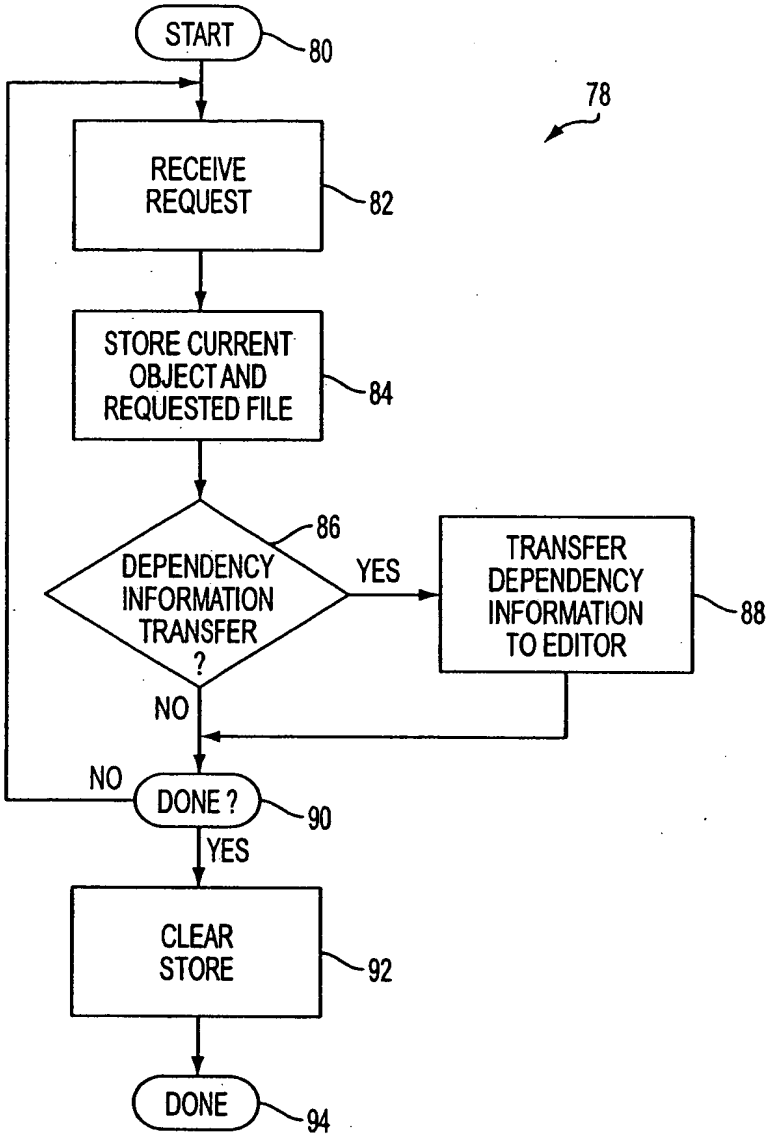
START
80
78
RECEIVE REQUEST
82
STORE CURRENT OBJECT AND REQUESTED FILE
84
86
DEPENDENCY INFORMATION TRANSFER ?
YES
TRANSFER DEPENDENCY INFORMATION TO EDITOR
88
NO
NO
DONE ?
90
YES
CLEAR STORE
92
DONE
94

FIG. 6

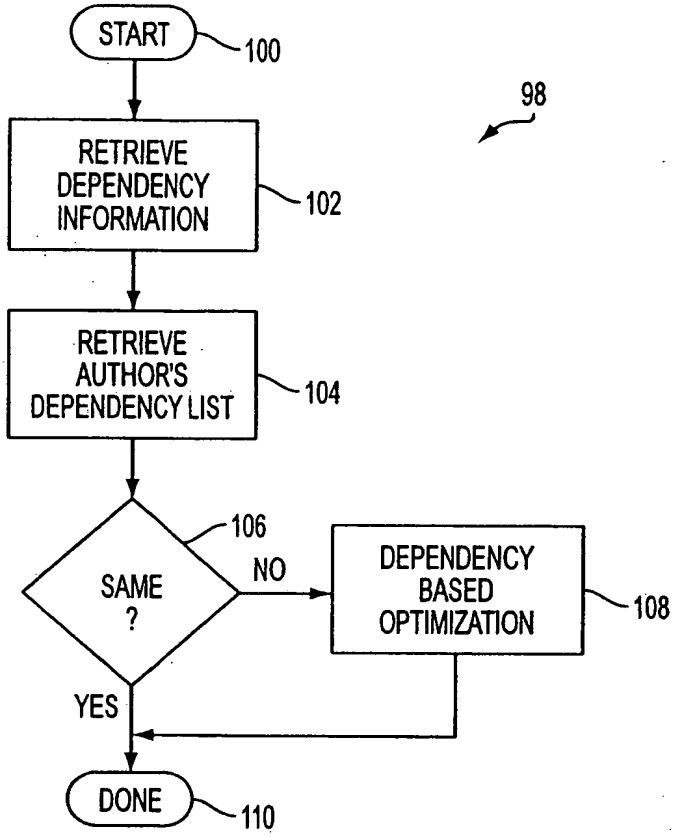
START
100
98
RETRIEVE DEPENDENCY INFORMATION
102
RETRIEVE AUTHOR'S DEPENDENCY LIST
104
106
SAME ?
NO
DEPENDENCY BASED OPTIMIZATION
108
YES
DONE
110

FIG. 7

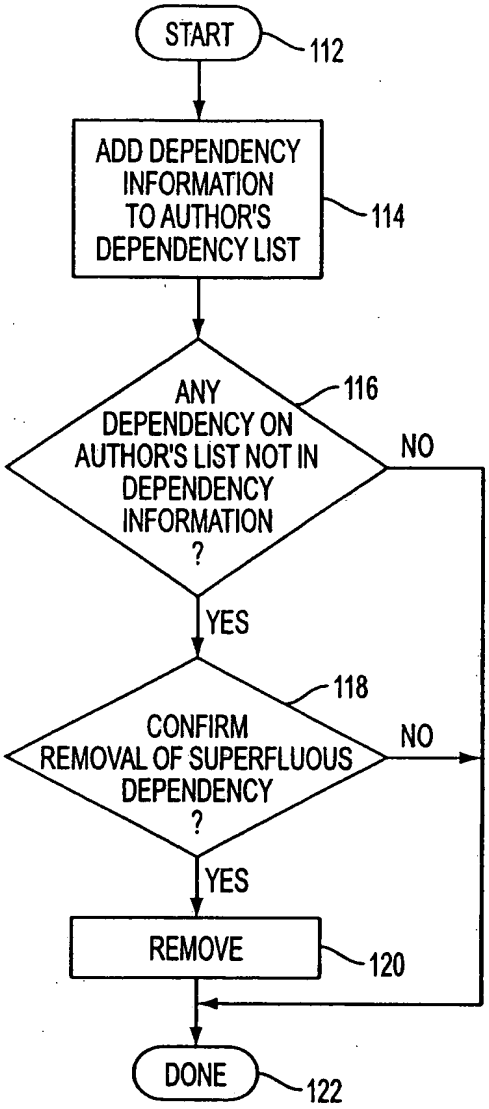
START
112
108'
ADD DEPENDENCY INFORMATION TO AUTHOR'S DEPENDENCY LIST
114
ANY DEPENDENCY ON AUTHOR'S LIST NOT IN DEPENDENCY INFORMATION ?
116
NO
YES
CONFIRM REMOVAL OF SUPERFLUOUS DEPENDENCY ?
118
NO
YES
REMOVE
120
DONE
122

FIG. 8

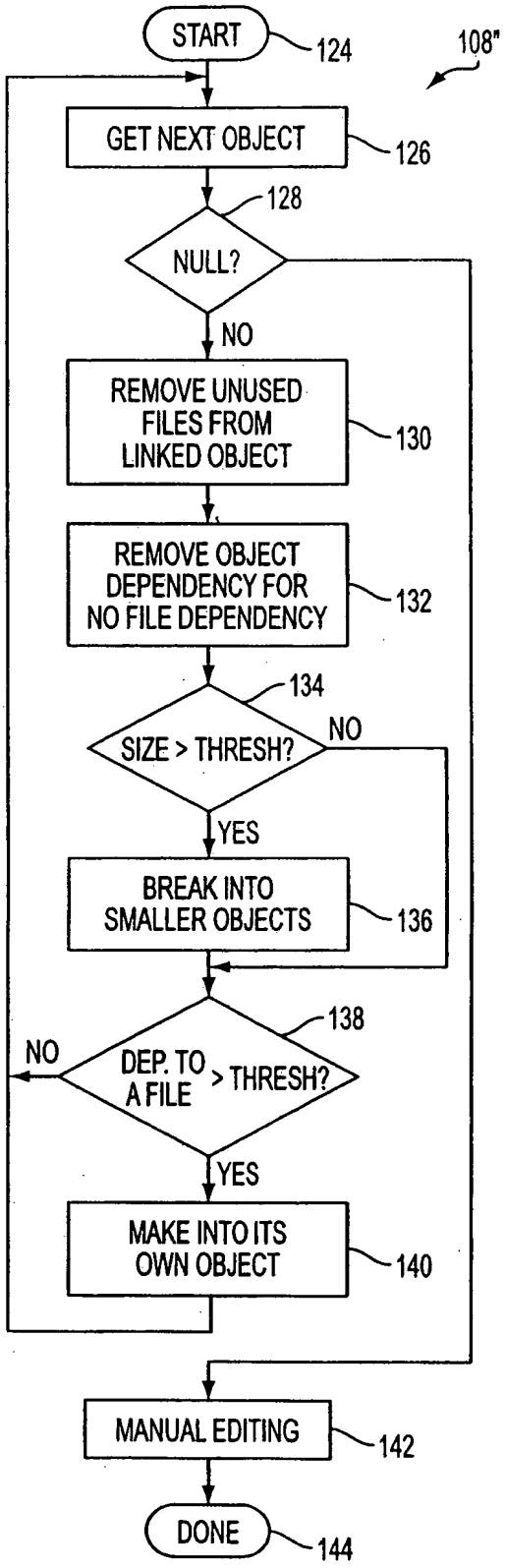

FIG. 9

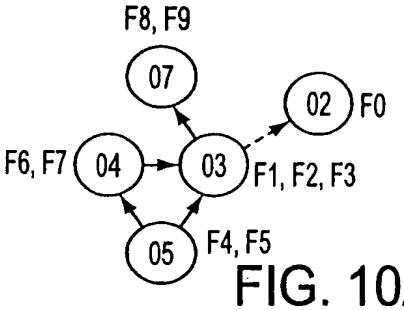

FIG. 10A

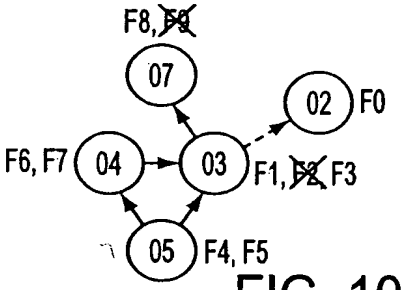

FIG. 10B

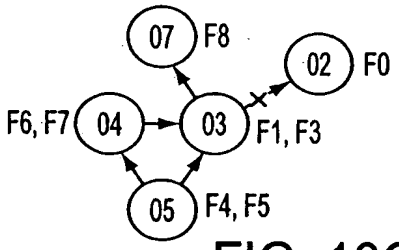

FIG. 10C

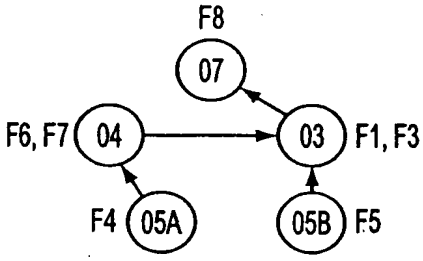

FIG. 10D

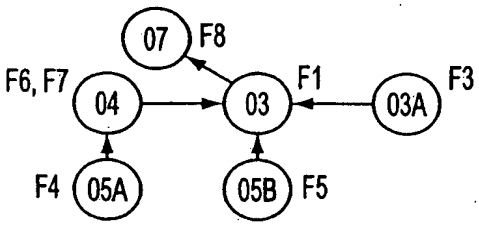

FIG. 10E